



McNEELY LAKE PARK ROADWAY PROJECT

PUBLIC MEETING #1

May 8, 2012





Welcome/Introductions





Meeting Agenda

6:30 – 7:00 pm

Open House (Stations)

- Master Plan
- Exist. Resources
- Site Analysis

7:00 – 7:30 pm

Presentation

7:30 – 8:00 pm

Discussion





Purpose and Need

To create a well-designed roadway and shared-use path serving all park users that enhances the park experience, provides connections between park facilities, and improves park access from surrounding neighborhoods



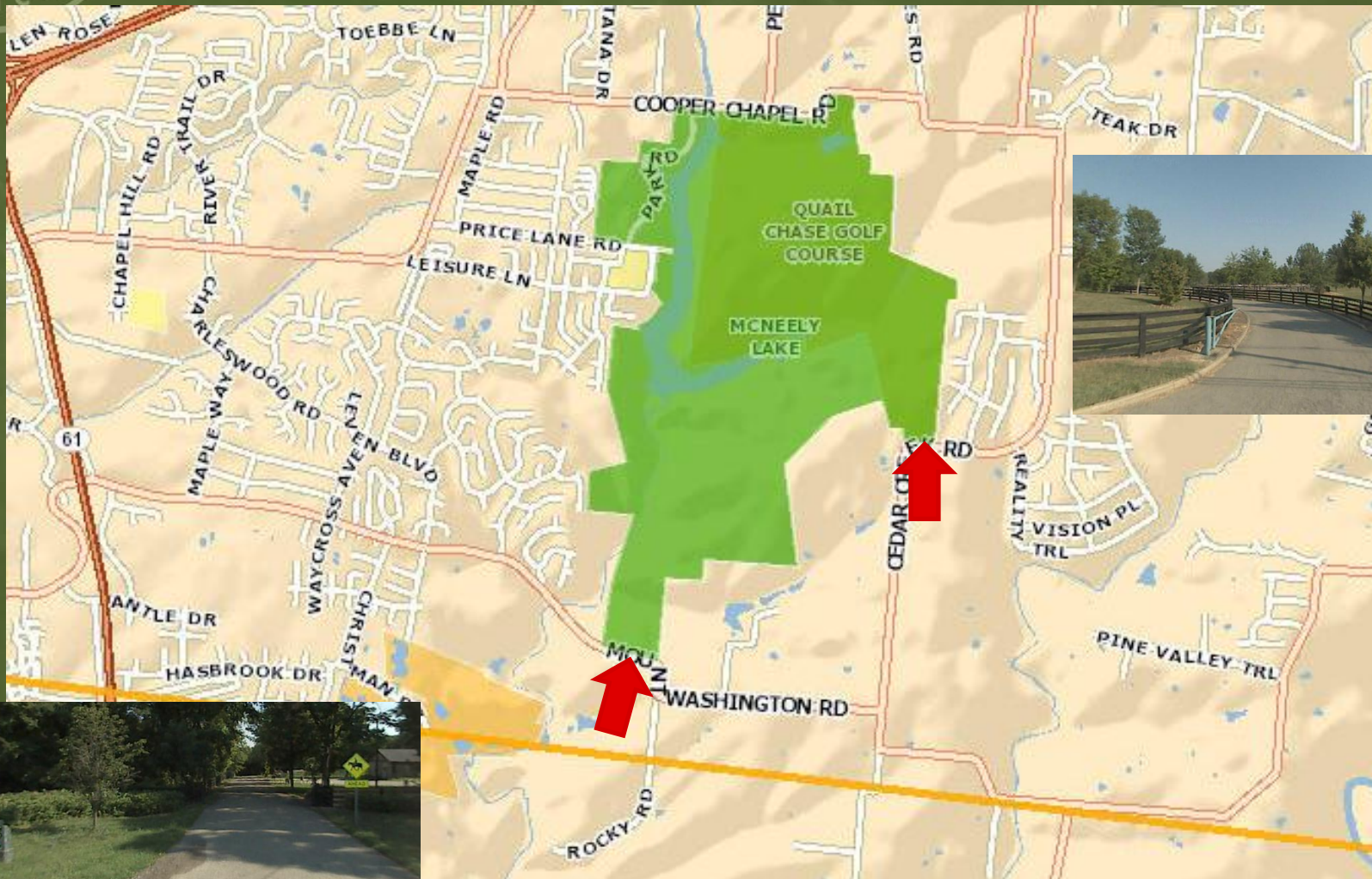


Design Process

Inventory/assessment	1/2012 - 5/2012
Public Meeting #1	5/2012
Alternatives	5/2012 – 7/2012
Public Meeting #2	6/2012
Phase 1 Completion	8/2012



Area Context

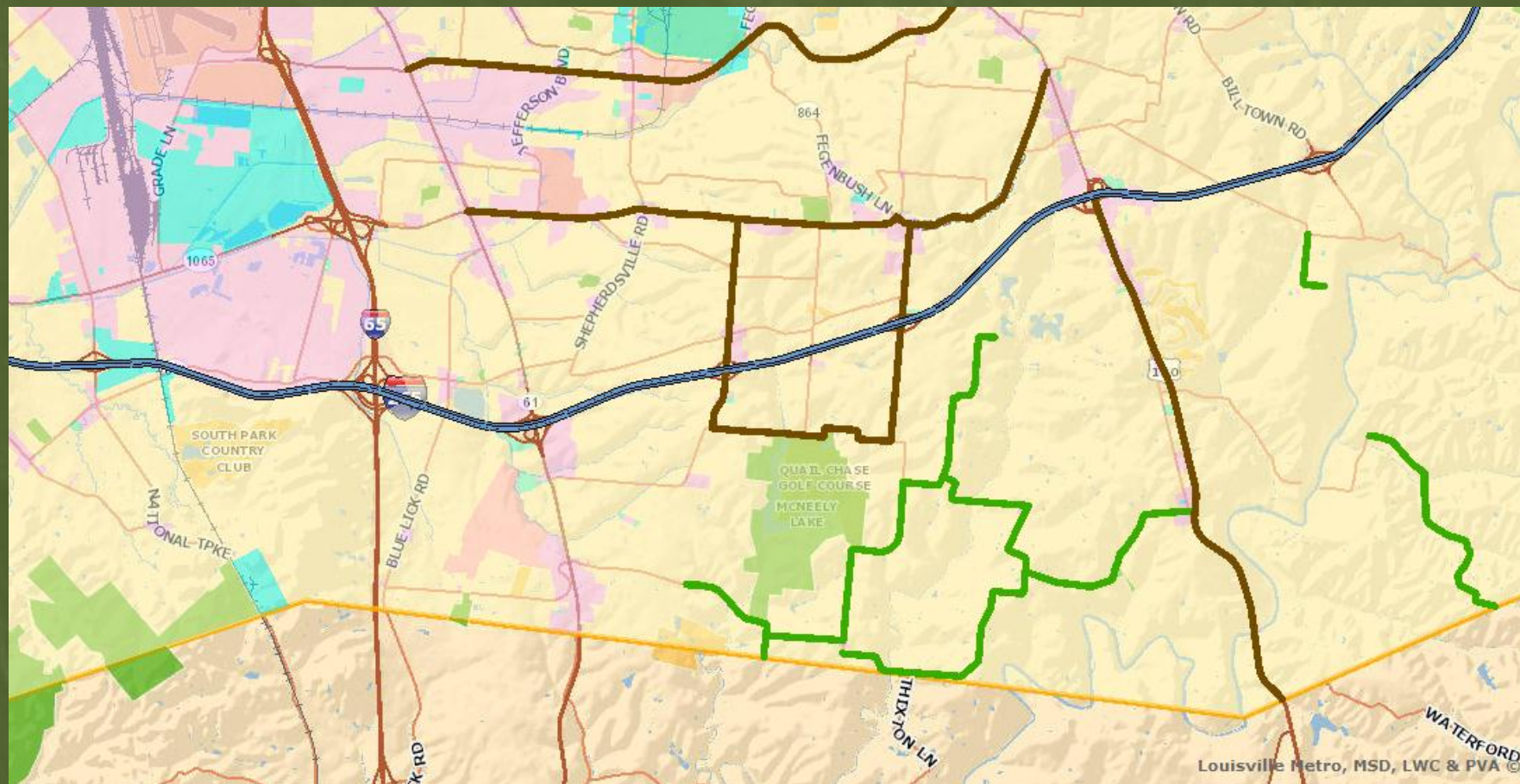


© 2017 Google. Street View data from 2017.





Area Context

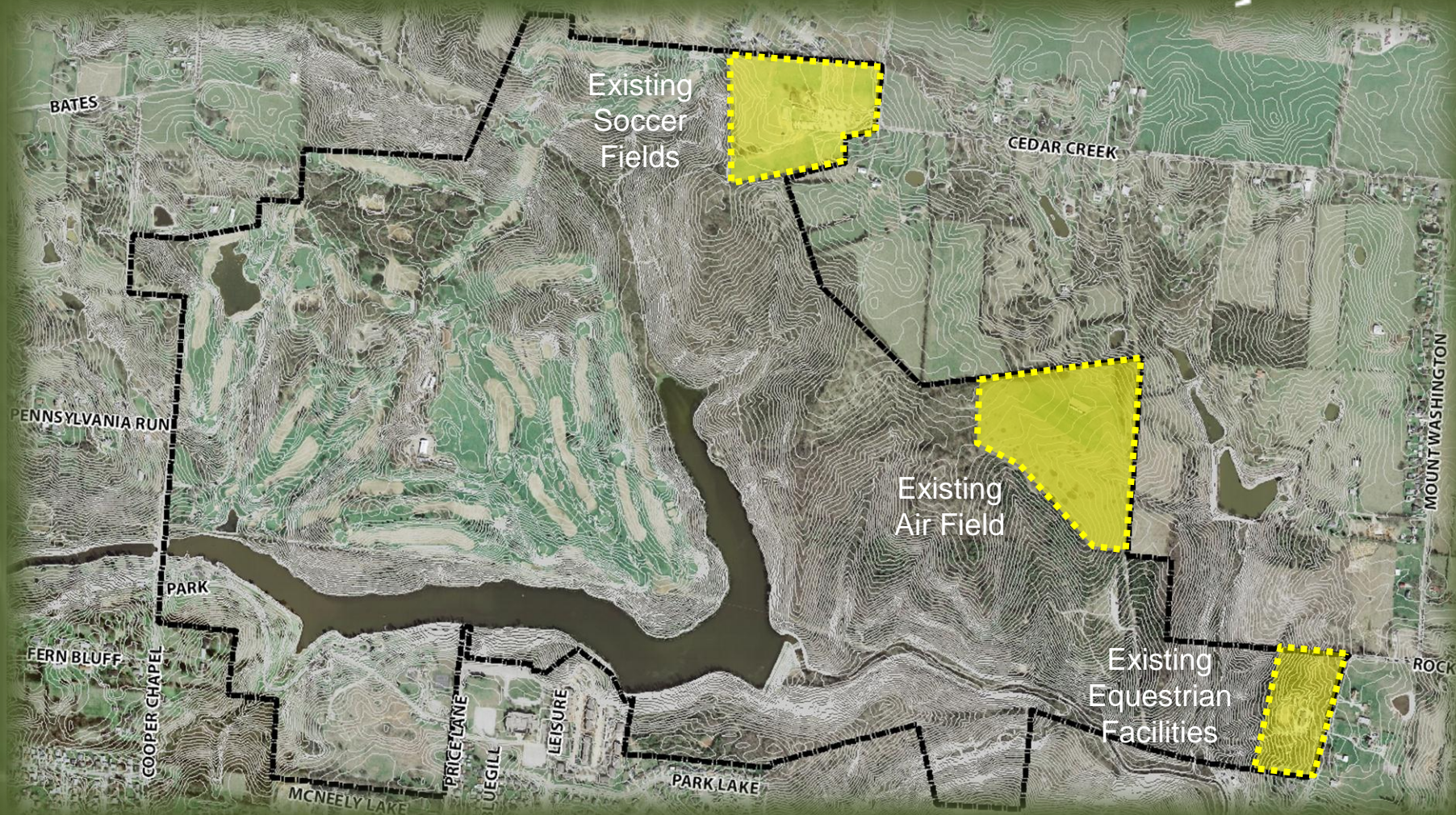


Louisville Metro, MSD, LWC & PVA ©



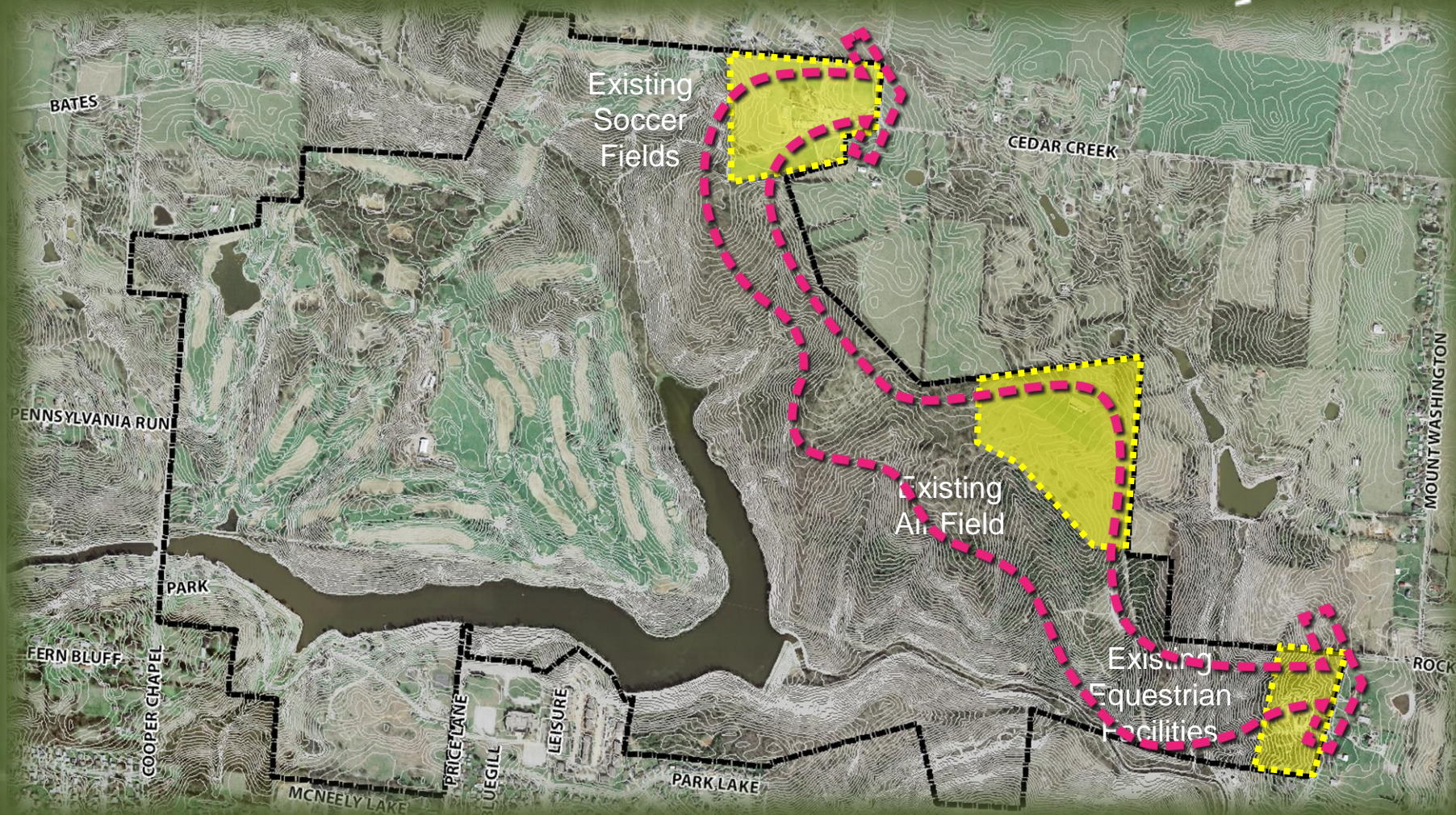


Existing Park Boundaries





Existing Park Boundaries

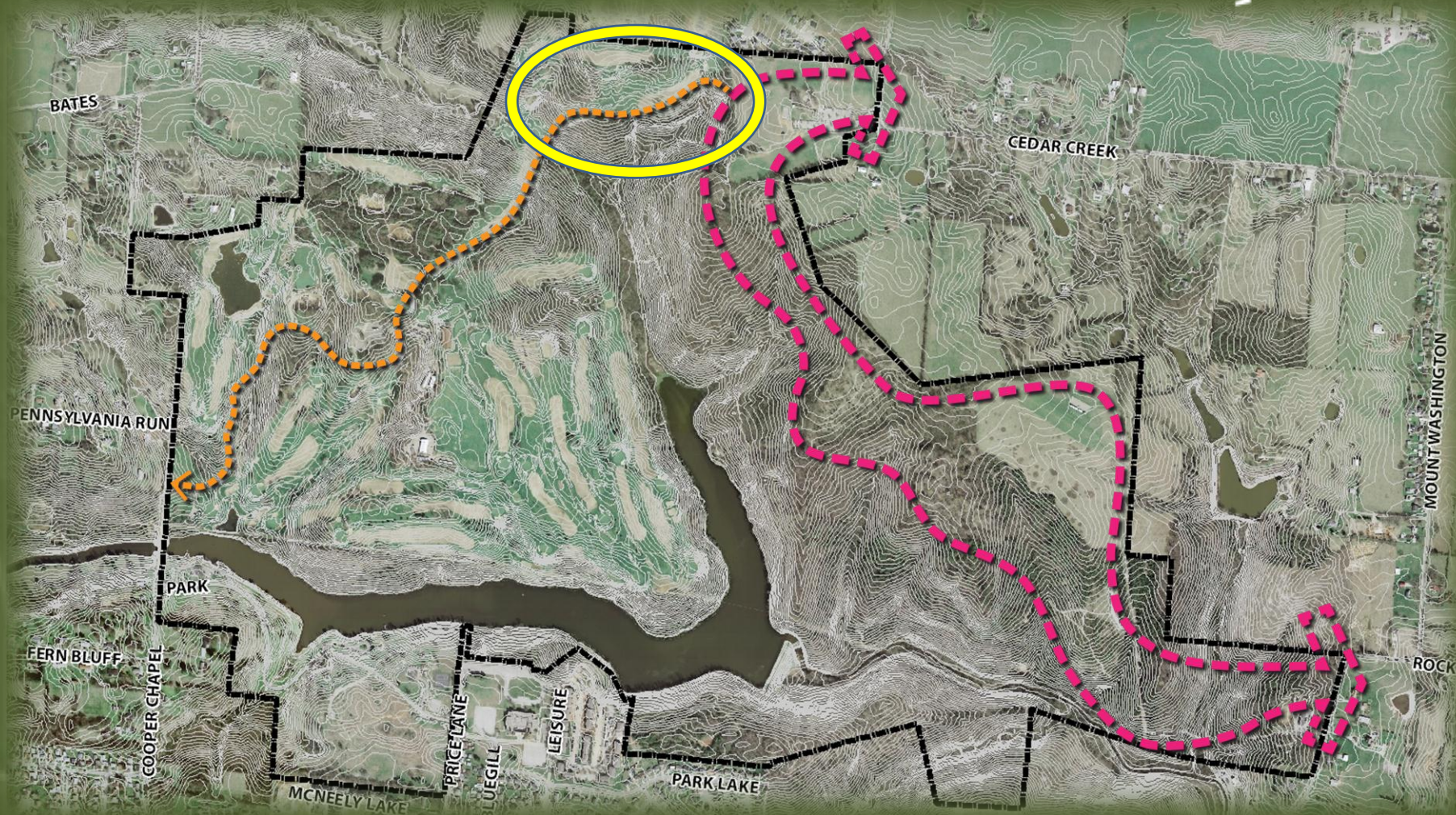




McNEELY LAKE PARK ROADWAY & TRAIL

Kentucky
Transportation
Cabinet

Roadway Study Area





Key Questions

- What characteristics make up a well-designed roadway?
- How do we ensure the proposed road can serve all park users?
- How do we create an enjoyable park road experience?
- How do we minimize negative impacts on existing resources?
- How do we connect to existing park facilities along the roadway?
- How do we integrate a shared-use path with the roadway?
- How do we integrate a new road with the existing trails?
- How do we get from one corner of the park to the other?





Site Inventory & Analysis

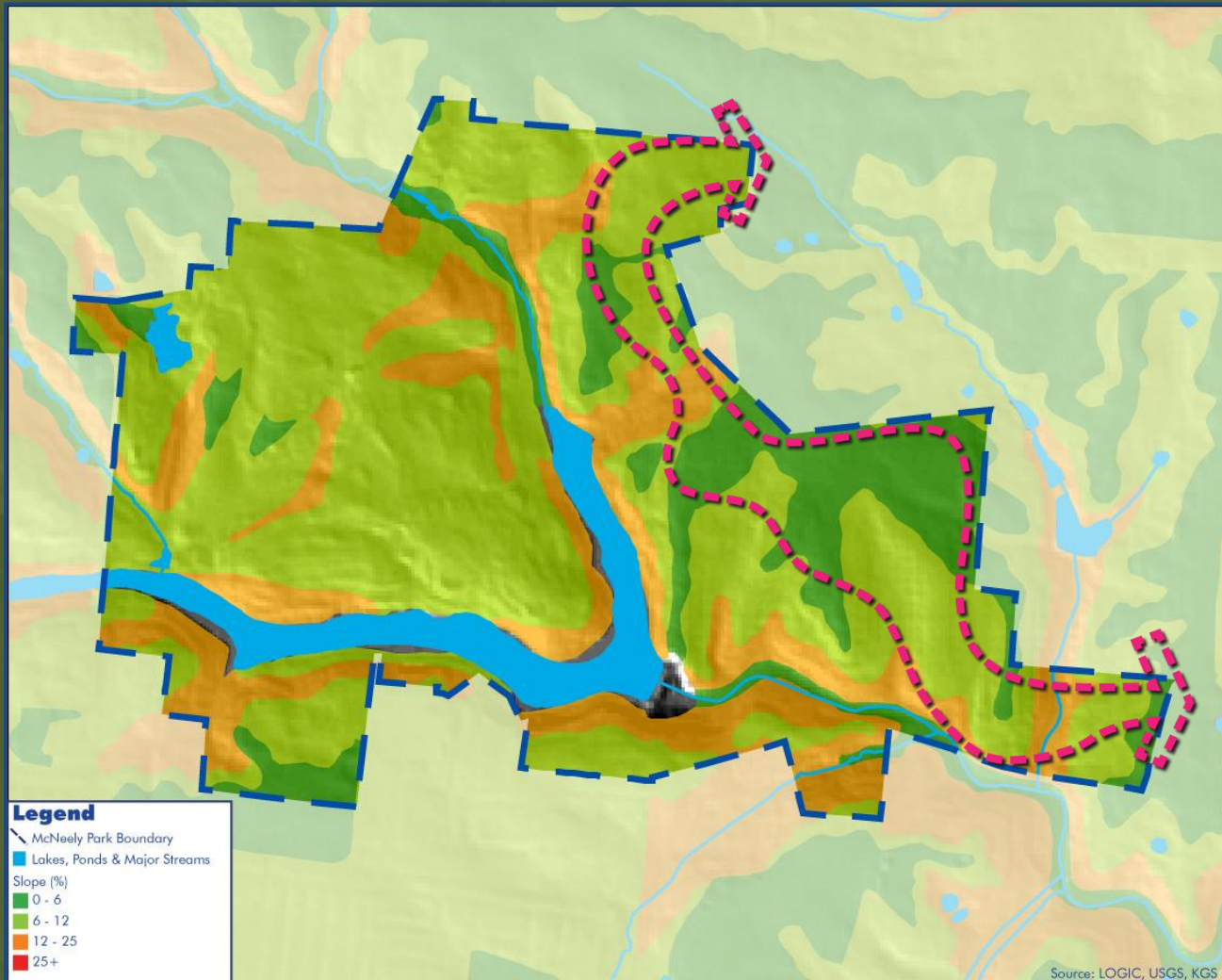




Natural Resources

SLOPES

On-site topography varies from flat to moderately steep and influences the location of the new roadway.



Source: LOGIC, USGS, KGS

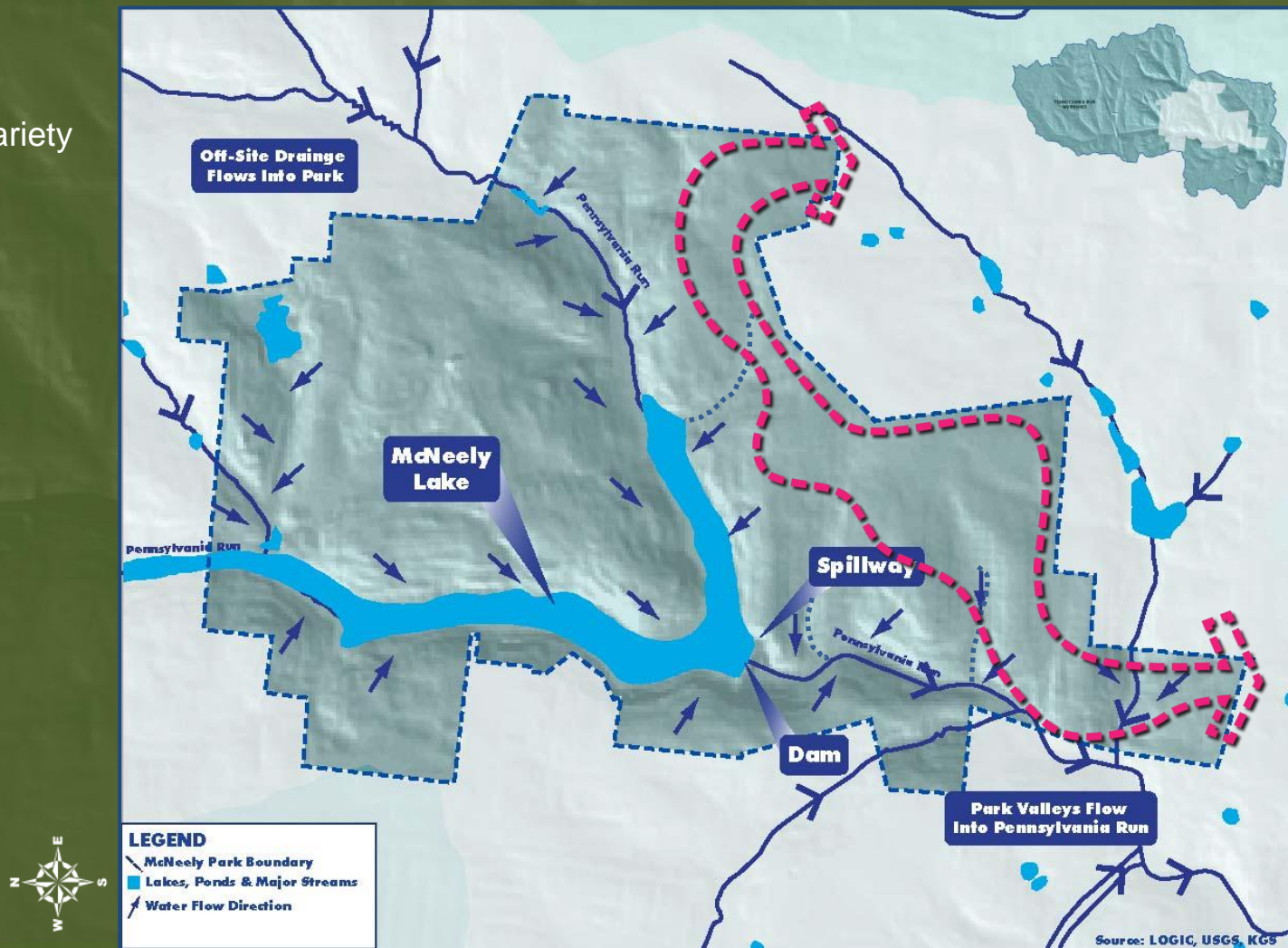




Natural Resources

HYDROLOGY

The site includes a wide variety of water features

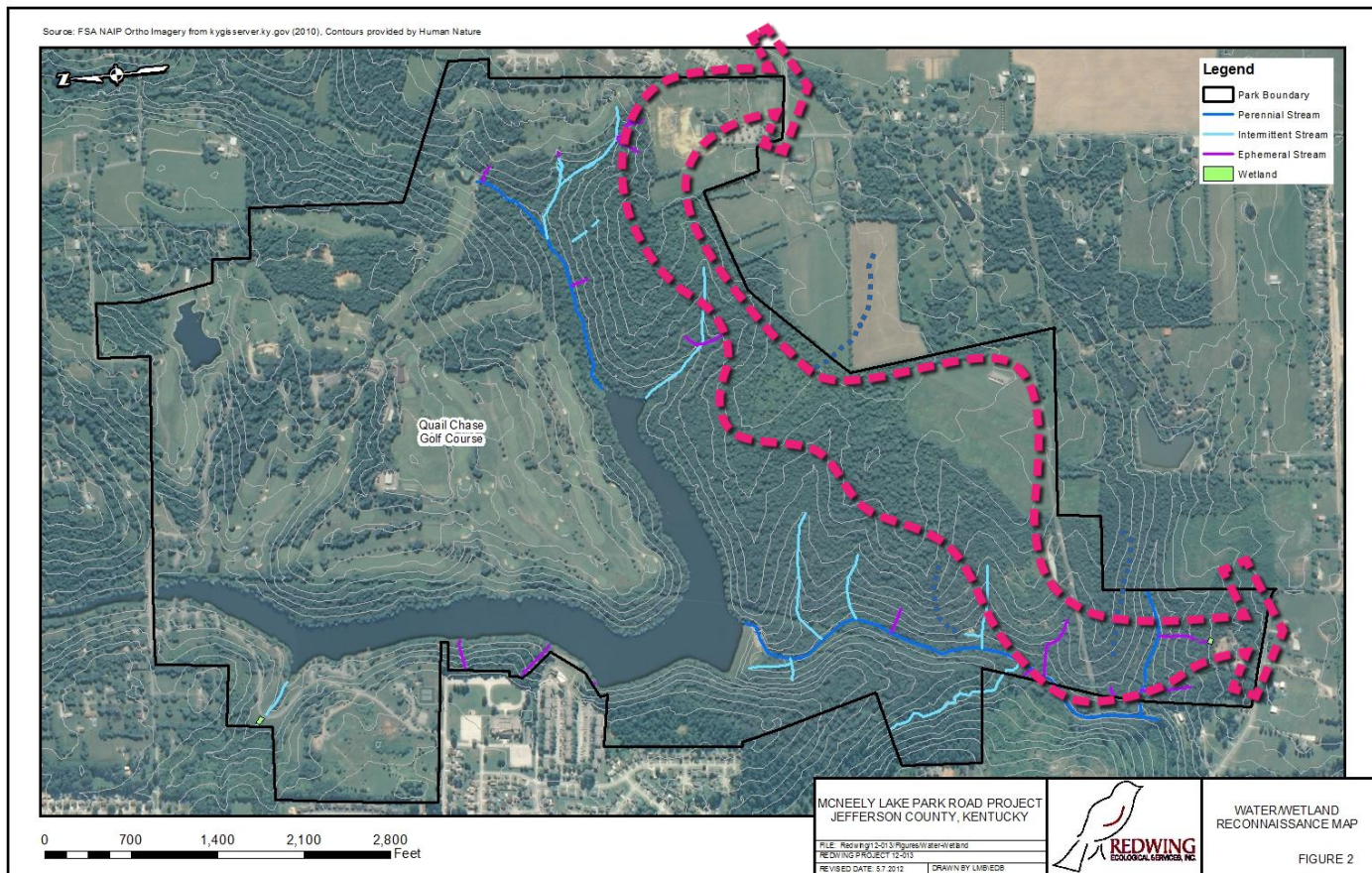




Natural Resources

HYDROLOGY

The site includes a wide variety of water features





Natural Resources

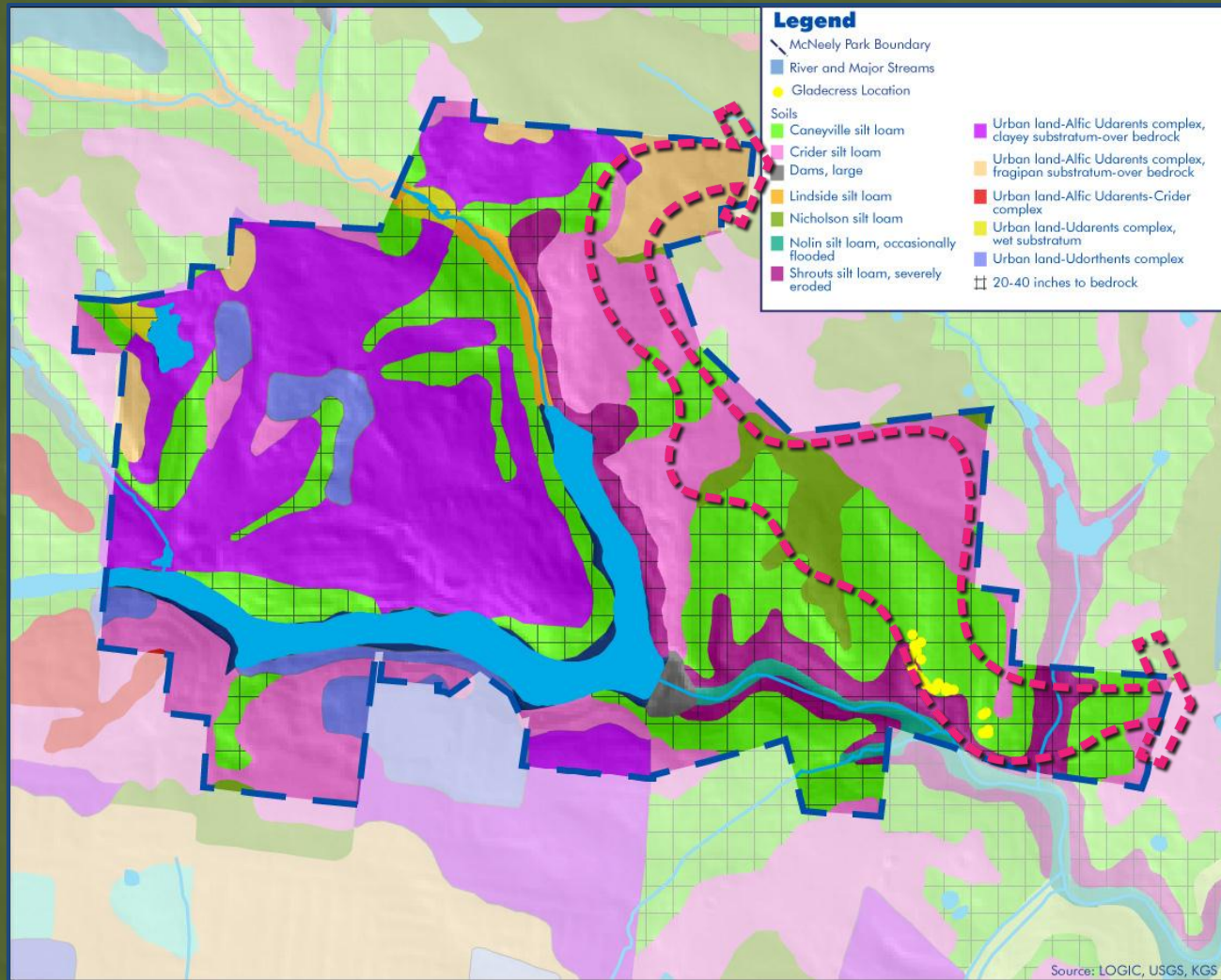
SOILS

20 – 40 inches to Paralithic
(weak) bedrock

- Shrouts silt loam

20 – 40 inches to Lithic (strong)
bedrock

- Caneyville silt loam; Caneyville-Rock outcrop; Urban Land-Udarents complex, wet substratum



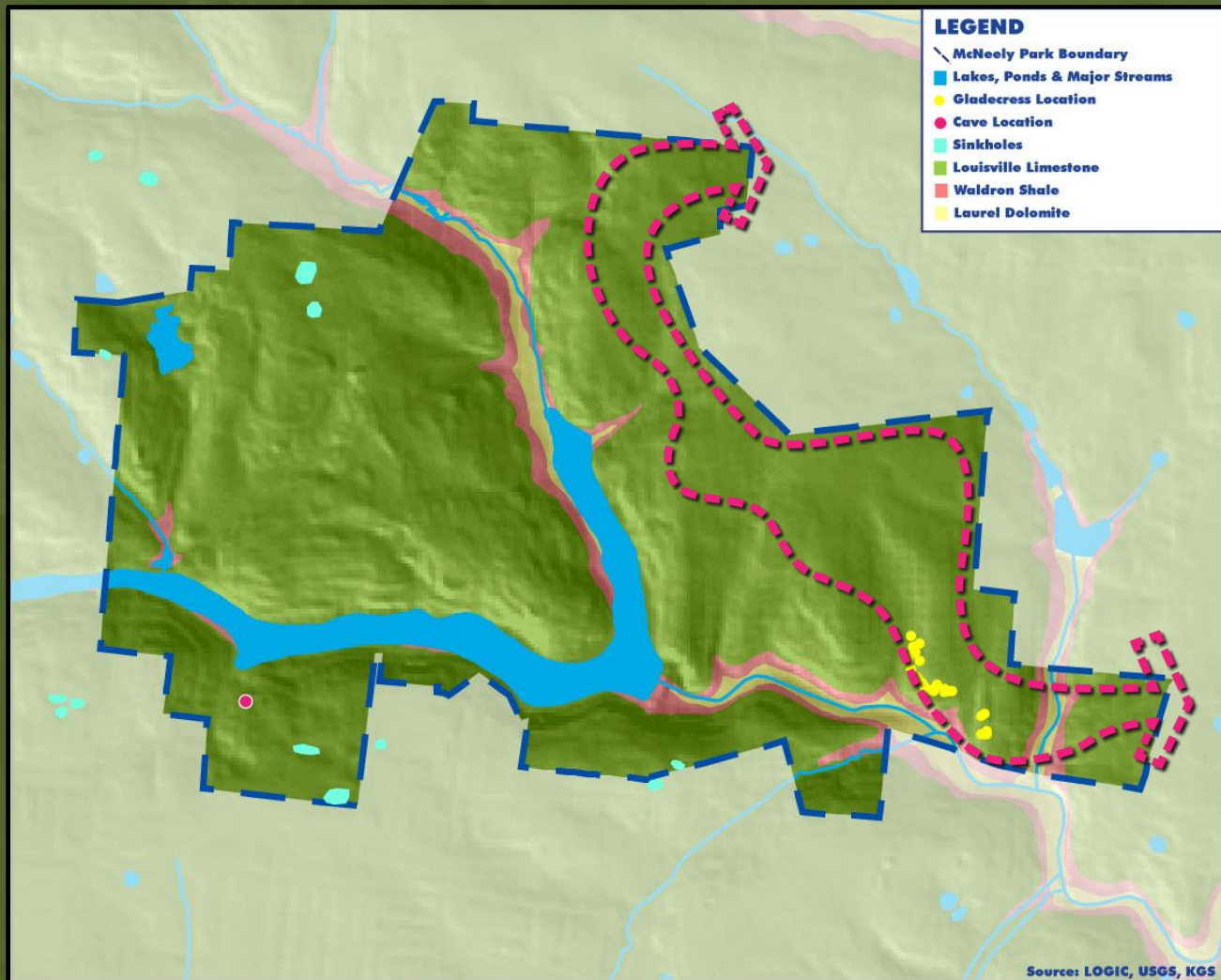


Natural Resources

GEOLOGY

Karst- Formed by underground erosion of rocks (i.e., limestone).

Support unique ecosystems and species (i.e., caves and gladeceess)





Natural Resources



- Small (2"-4") spring blooming native wildflower
- 'Laciniata' is a variety of glade cress found nowhere else in the world but Jefferson and Bullitt counties in Kentucky
- Occurs only on thin soils where limestone substrate comes to surface
- Threatened with extinction due to habitat loss

Source: Kentucky Woodlands Magazine, "Kentucky's Uncommon Natural Heritage", by Thomas G. Barnes, Ph.D., Department of Forestry, University of Kentucky

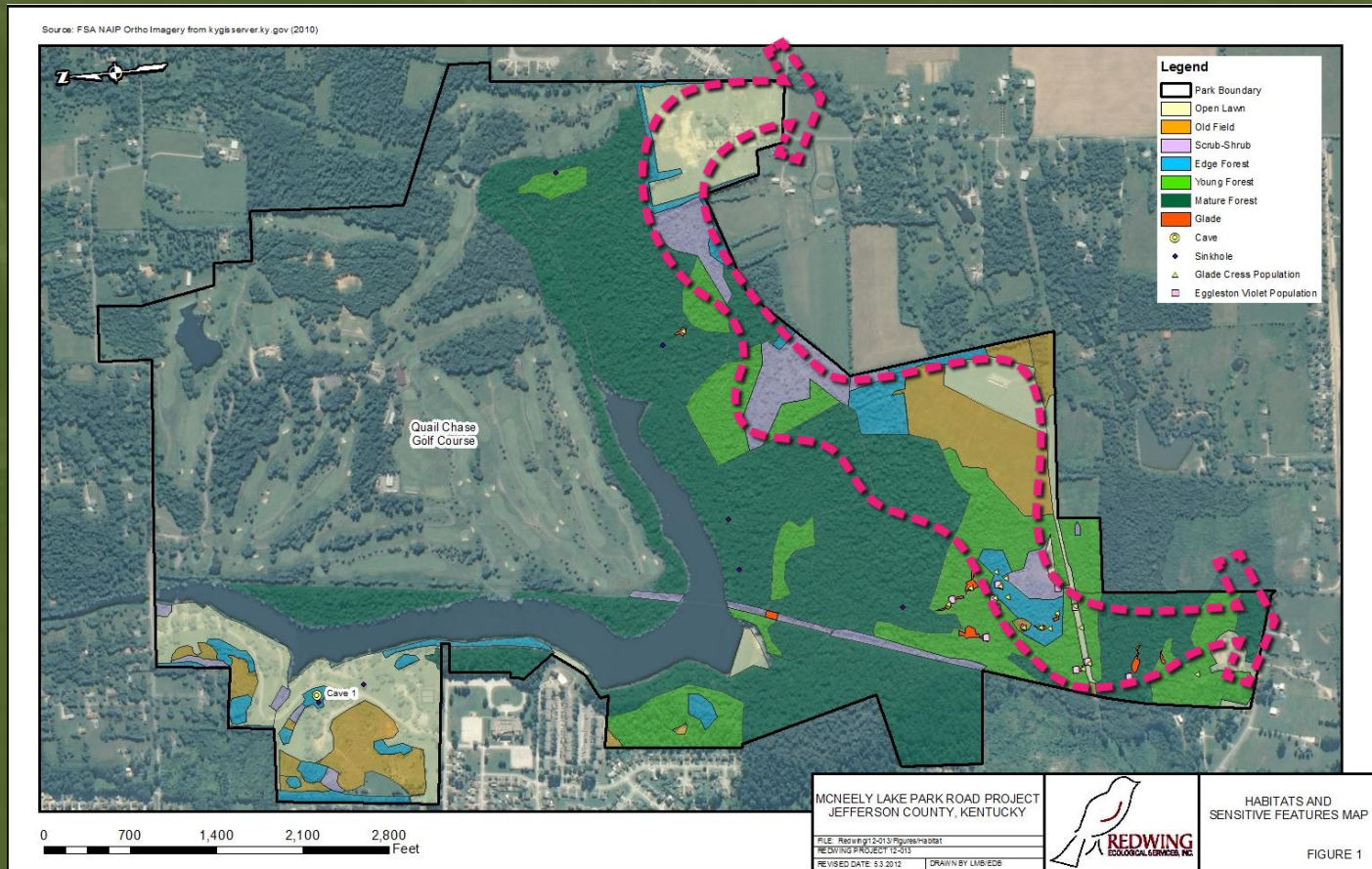




Natural Resources

HABITATS & SENSITIVE FEATURES

- Remove infected Ash trees
- Protect McNeely Lake Cave
- Avoid development that would increase erosion to water
- Retain higher quality woods in south-central section of park
- Bush honeysuckle removal
- Avoid disturbance to karst features (e.g., caves, sinkholes, seeps)
- Avoid/enhance glade habitats

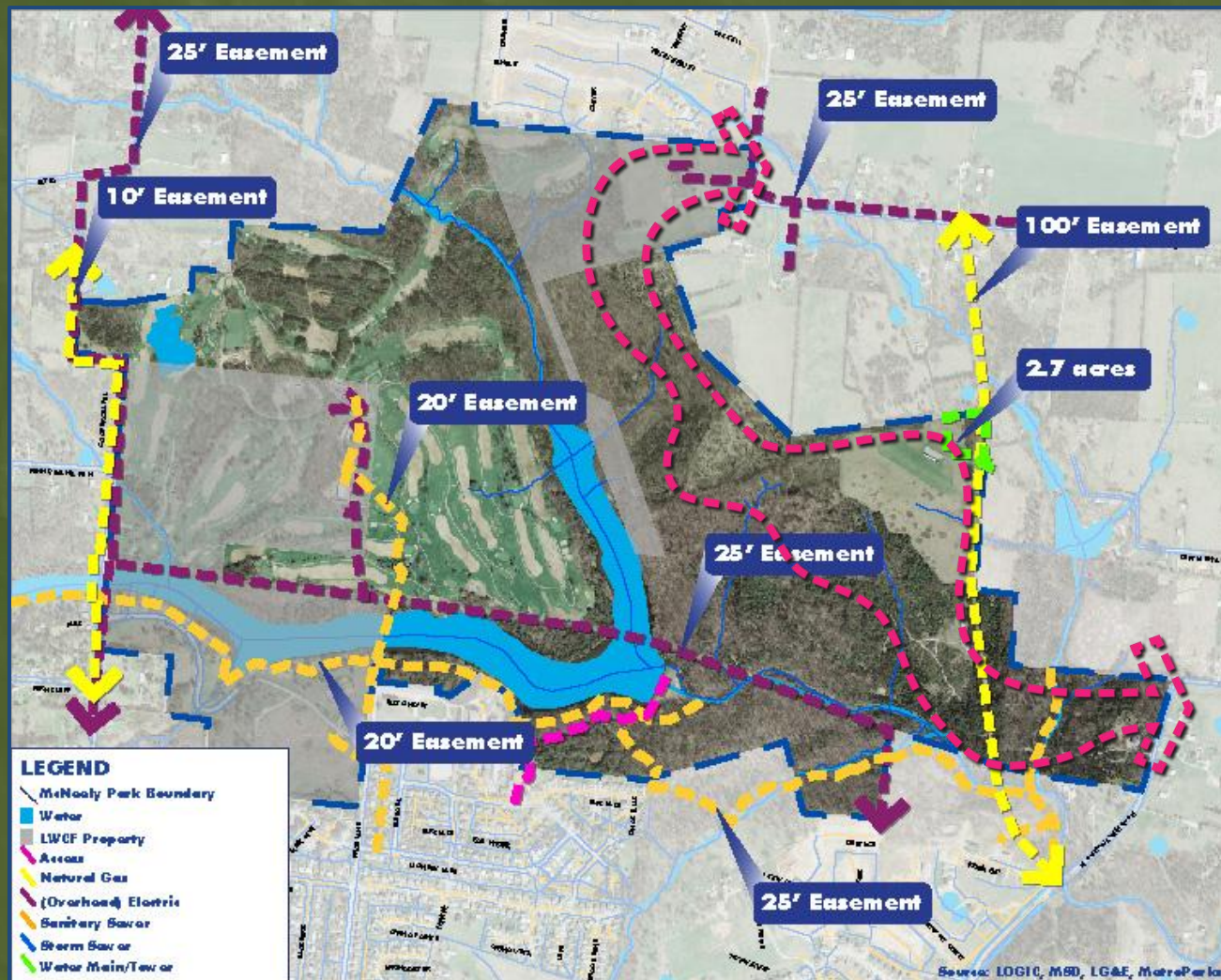




Cultural Resources

EASEMENTS

- Several utility easements cross through the site affecting its appearance and usage
- 2.7 acres to be purchased by Louisville Water Company for proposed Water Tower
- LWCF property

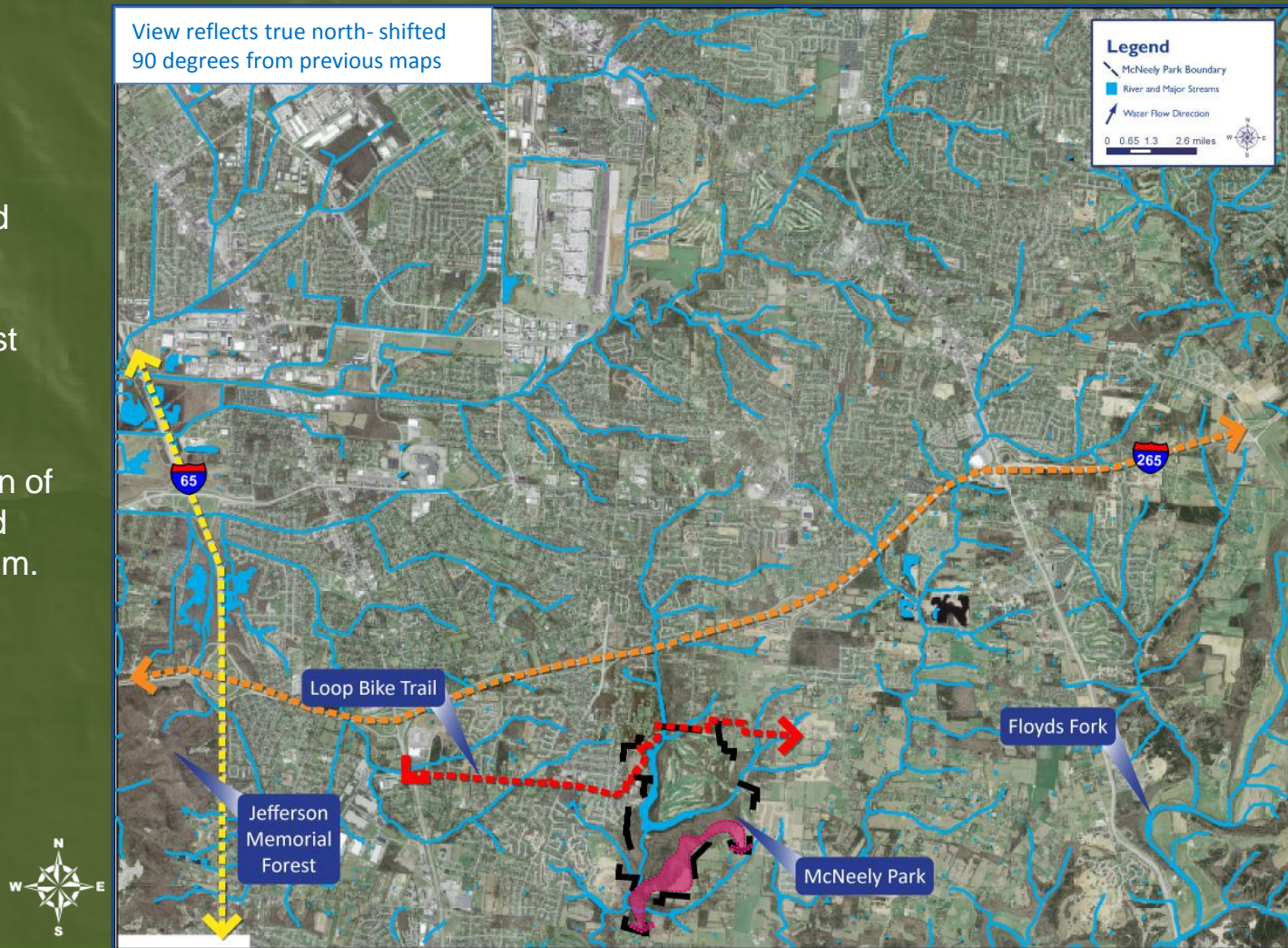




Cultural Resources

CONTEXT

- McNeely Lake Park could serve as an ecological stepping stone between Jefferson Memorial Forest and the Floyds Fork watershed.
- The park is part of a chain of parks along the proposed Louisville Loop trail system.

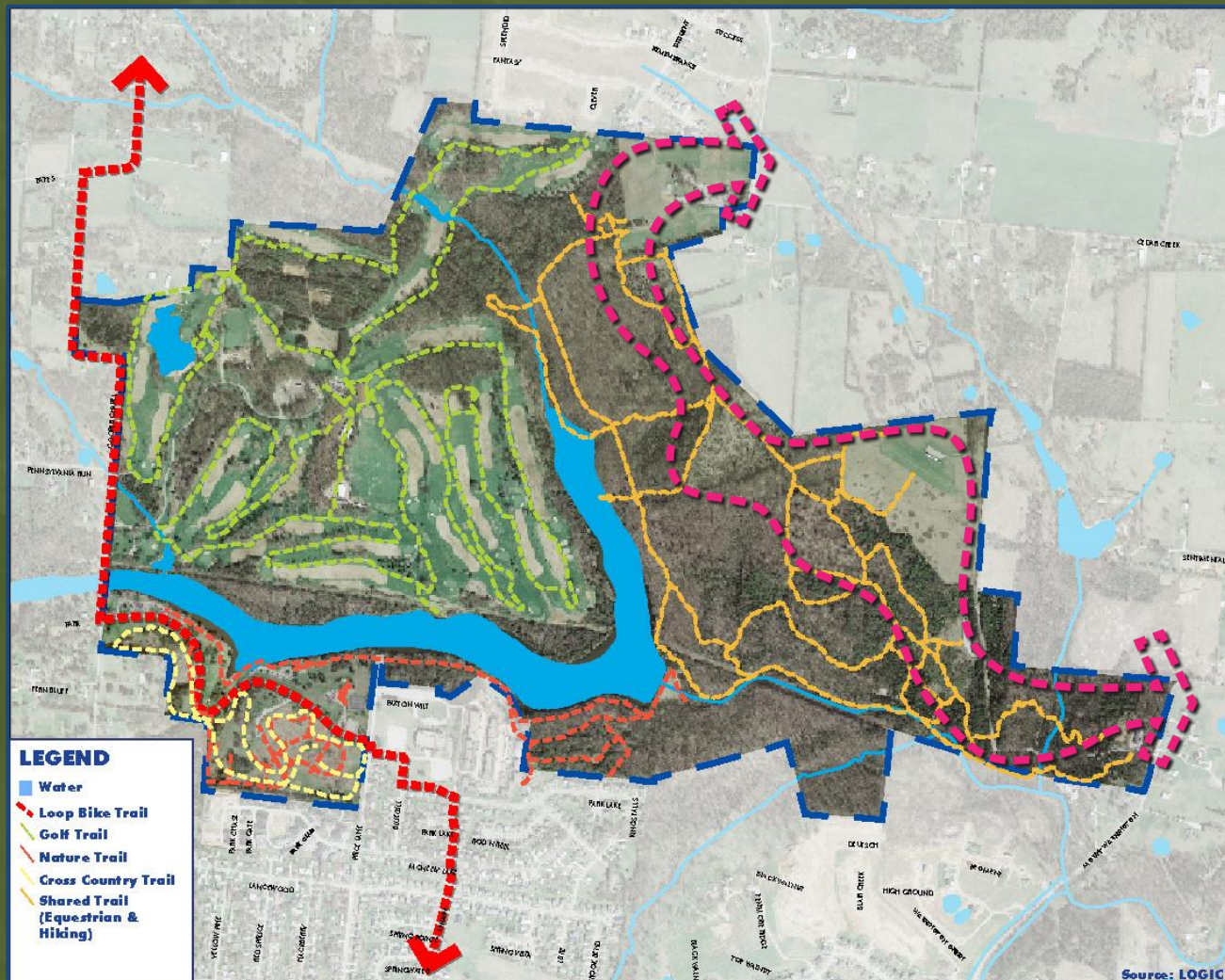




Cultural Resources

TRAILS

- Shared (Equestrian & Hiking)
- Nature
- Golf
- Cross Country
- Proposed Louisville Loop Bike Trail Connection





Preliminary Analysis

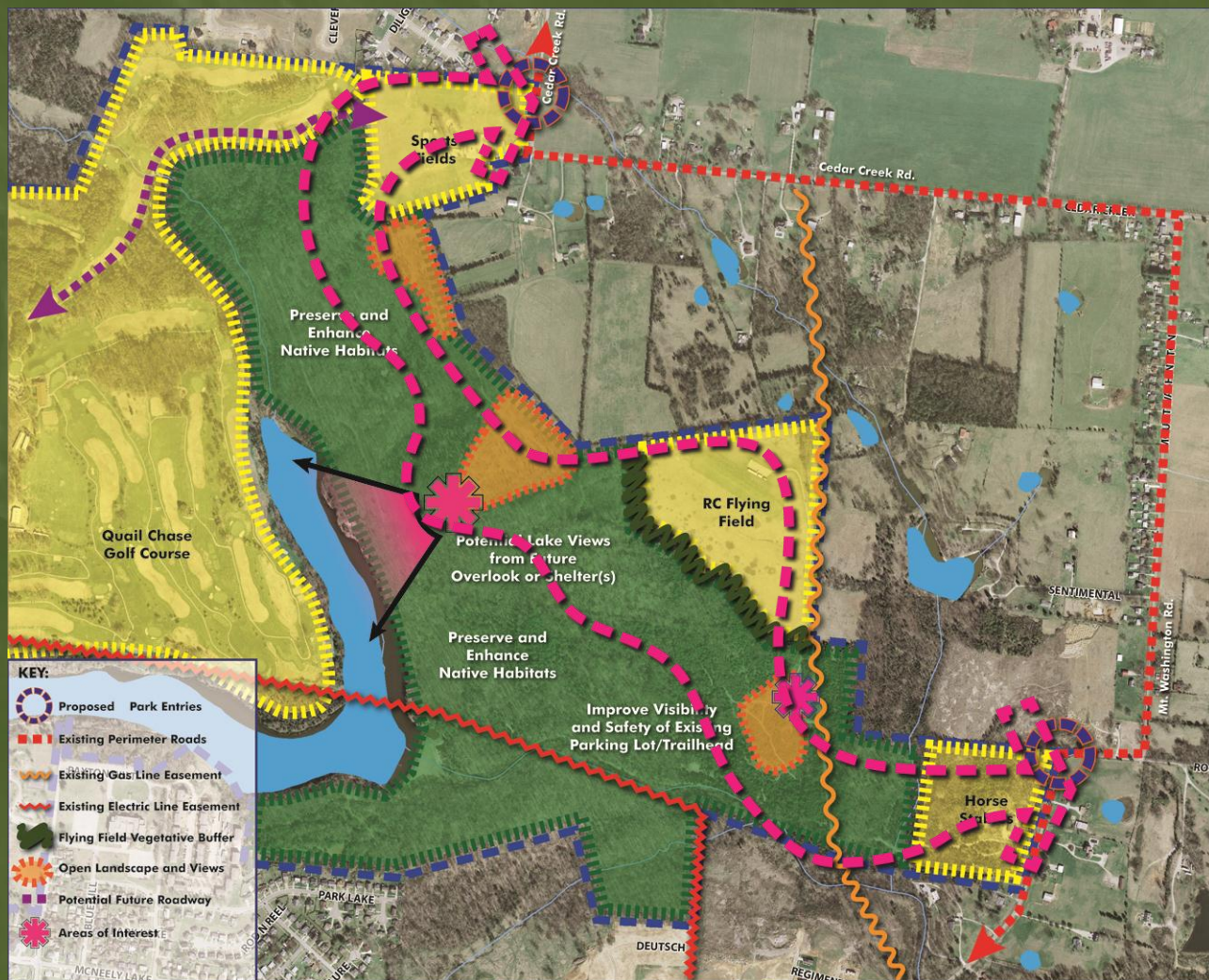




Site Analysis

OBSERVATIONS/ RECOMMENDATIONS

- Potential new entries will be safer and not split use areas
- The flying field requires a buffer to separate it from the roadway
- A broad spectrum of cultural and natural features should be celebrated. The glades, karst features, and mature forests are some of the elements that make this park special.





Entrance Location Considerations

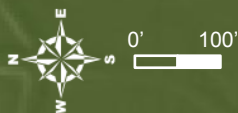
- **Safety**
 - **Sight Distance**
 - **Current Geometric Standards**
 - **Providing for bulb-outs / turn lanes**
- **Intersection Spacing**
- **Aesthetics**
 - **Sense of Arrival**





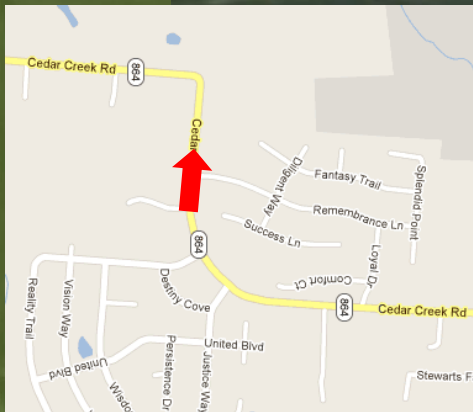
Master Plan Concepts

Existing East Park
Conditions



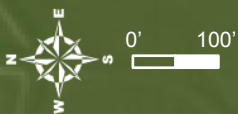


McNEELY LAKE PARK ROADWAY & TRAIL





McNEELY LAKE PARK ROADWAY & TRAIL

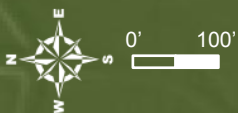




Master Plan Concepts

Strengthened Sports Hub

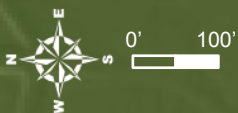
- 1 New Entry Location and Park Road
- 2 Enlarged Parking
- 3 Special Event Lawn with Seating
- 4 Enhanced Playground
- 5 New Concessions Building
- 6 Walking Loops and Trails





Master Plan Concepts

Existing South
Park Conditions

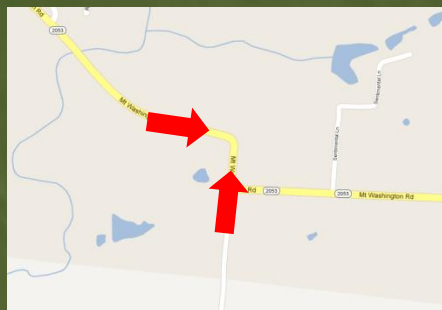




McNEELY LAKE PARK ROADWAY & TRAIL



Eastbound View

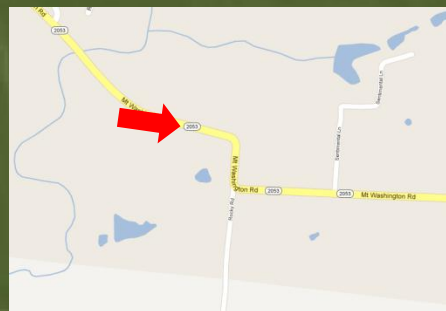


Northbound View



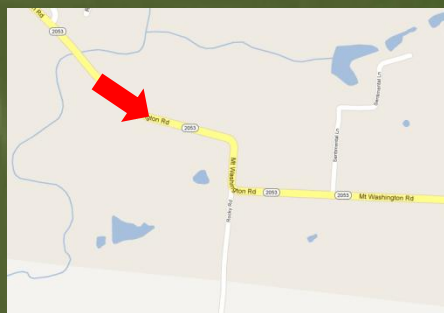


McNEELY LAKE PARK ROADWAY & TRAIL





McNEELY LAKE PARK ROADWAY & TRAIL



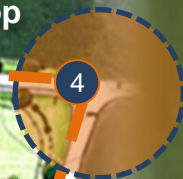


Master Plan Concepts

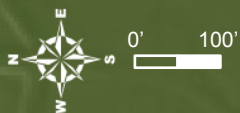
Improved Equestrian Hub

- 1 New Indoor Training Ring and Offices
- 2 Existing Barn and Training Ring
- 3 Fenced Paddocks
- 4 New Entry and Park Road
- 5 Car and Trailer Parking
- 6 Cedar Glade Views
- 7 Equestrian Trails

Potential New
3-Way Stop



10 Acres



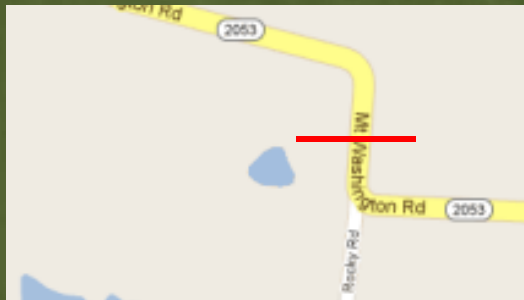


Traffic Counts near Proposed Entrances

- Tube counts taken on Mt. Washington Rd & Cedar Creek Rd
- Collected from Thurs. 4/26, 7:00 am to Mon., 4/30, 7:00 am

Mt. Washington Road

- Peak Hour: Friday, 5:00 pm to 6:00 pm
- 361 peak hour trips
- 217 eastbound; 144 westbound



Cedar Creek Road

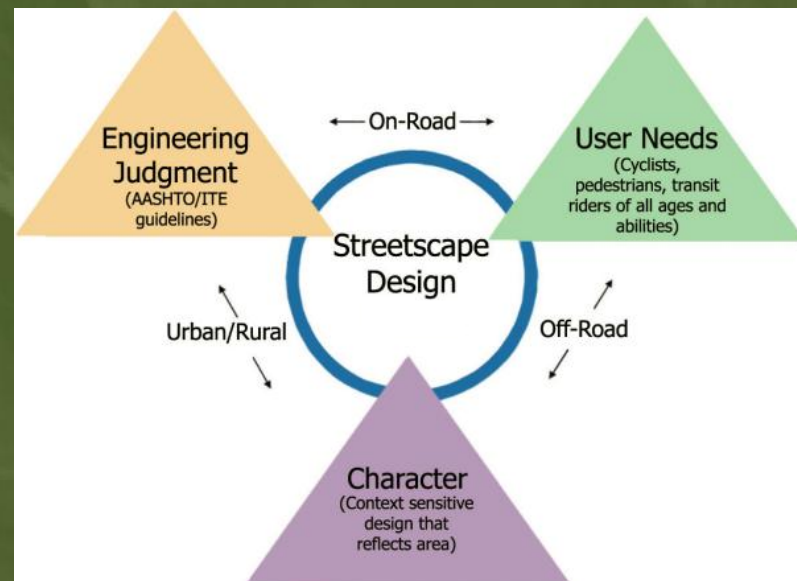
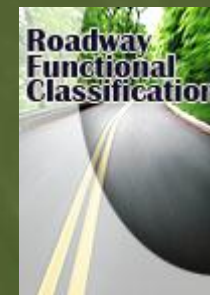
- Peak Hour: Thursday, 5:15 pm to 6:15 pm
- 302 peak hour trips
- 123 northbound; 179 southbound





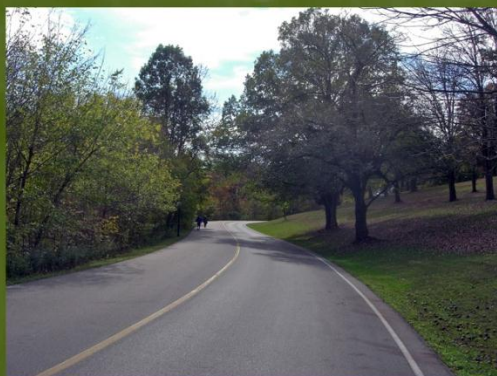
Overall Roadway Design

- Grade
- Mitigating Karst topographic features
- Design criteria
 - Speed
 - Typical Section
- Drainage
- User Experience





Potential Experiences

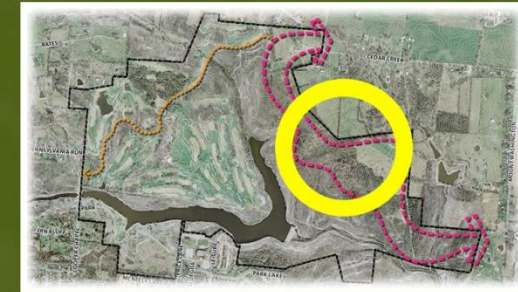




McNEELY LAKE PARK ROADWAY & TRAIL

Kentucky
Transportation
Cabinet

Potential Experiences

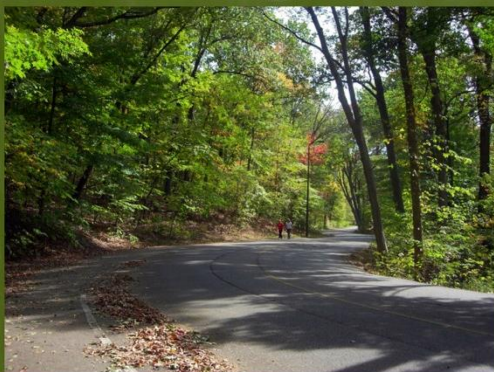




McNEELY LAKE PARK ROADWAY & TRAIL



Potential Experiences





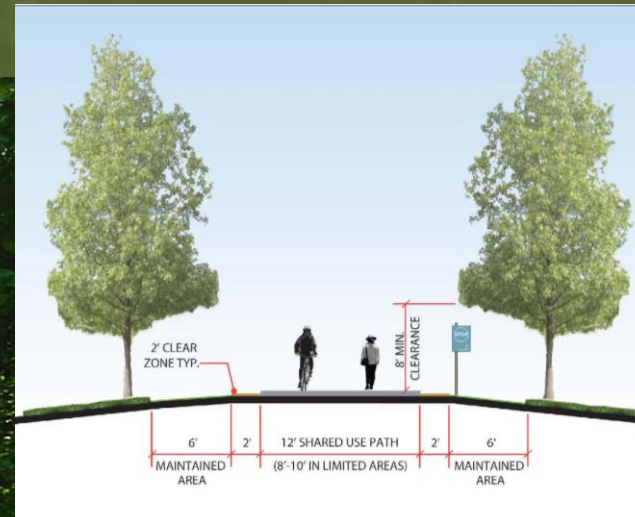
Shared-Use Path Design Considerations

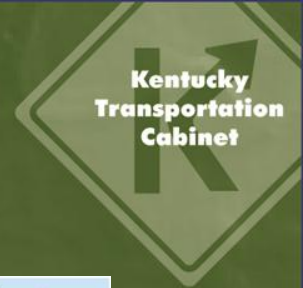
- General design
- Relationship to roadway
- User experiences
- Crossings
- Signage
- Access (trailheads and parking)



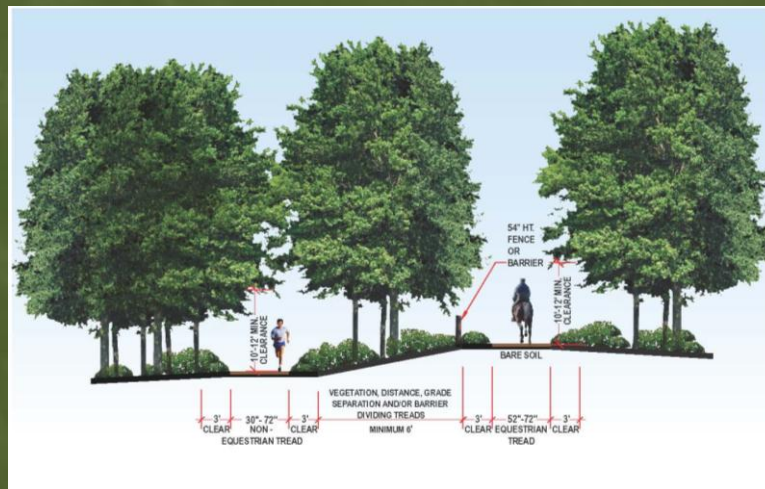


Shared-Use Path Design Considerations



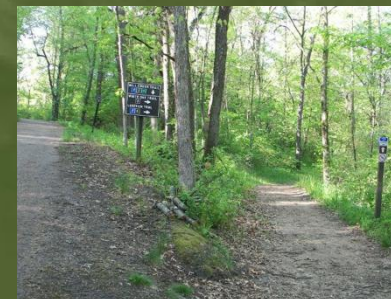
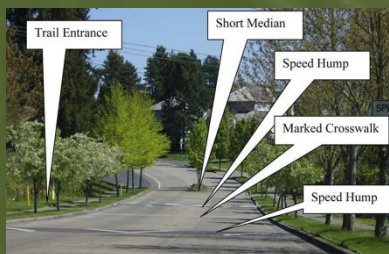


Shared-Use Path Design Considerations





Shared-Use Path Design Considerations





Next Steps

- **Your feedback (today)**
- **Develop alternative alignments (mid-June)**
- **Your feedback again (mid-June)**
- **Finalize prelim. line and grade (July)**
- **Submit to KYTC for review (late July)**
- **Submit Final Phase 1 for PL&G approval (August)**





Stay In Touch

[http://www.louisvilleky.gov/MetroParks/
planninganddesign/projects/mcneelyroadway](http://www.louisvilleky.gov/MetroParks/planninganddesign/projects/mcneelyroadway)

